Thyromimetic Organic Compounds

Abstract of the Disclosure

Compounds of the present invention of the formula

$$Q_{(CH_2)m} = \begin{pmatrix} R2 & 3 & W & 2' & X \\ N & 5 & 5' & Z & 4' \end{pmatrix} R \qquad (I)$$

are thyromimetic agents which can be used to prevent and/or treat diseases associated with an imbalance of thyroid hormones, such as hypo- and hyper-thyroidism, obesity, osteoporosis and depression. The compounds of the invention are, in particular, hypolipedemic agents which enhance the clearance of cholesterol from circulation, particularly the clearance of cholesterol in the form of low density lipoproteins (LDL). The compounds are useful for reducing total cholesterol plasma levels in mammals, in particular for reducing levels of LDL-cholesterol. Furthermore, such compounds also lower elevated lipoprotein (a) [Lp(a)] levels, an independent cardiovascular risk factor, in mammals. The compounds of the invention can therefore be used for the prevention and/or treatment of occlusive cardiovascular conditions in which hyperlipidemia and hyperlipoproteinemia are implicated, such as atherosclerosis and coronary heart disease in mammals.